

SEQUENCE LISTING

<110> LIBON Christine
CORVAIA Nathalie
BECK Alain
BONNEFOY Jean-Yves

<120> IMMUNOSTIMULATING BACTERIAL MEMBRANE FRACTIONS IN CANCER
TREATMENT

<130> D17974

<150> FR 99 03 154

<151> 1999-03-15

<150> PCT/FR00/00623

<151> 2000-03-15

<160> 4

<170> PatentIn Vers. 2.0

<210> 1

<211> 1035

<212> DNA

<213> Klebsiella pneumoniae

<220>

<221> exon

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Tyr	Ala	Gly	Gly	Lys	Leu	Gly	Trp	Ser	Gln	Tyr	His	Asp	Thr	Gly	Phe	
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tac	ggt	aac	ggt	ttc	cag	aac	aac	aac	ggt	ccg	acc	cgt	aac	gat	cag	144
Tyr	Gly	Asn	Gly	Phe	Gln	Asn	Asn	Asn	Gly	Pro	Thr	Arg	Asn	Asp	Gln	
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ctt	ggt	gct	ggt	gcg	ttc	ggt	ggt	tac	cag	ggt	aac	ccg	tac	ctc	ggt	192
Leu	Gly	Ala	Gly	Ala	Phe	Gly	Gly	Tyr	Gln	Val	Asn	Pro	Tyr	Leu	Gly	
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ttc	gaa	atg	ggt	tat	gac	tgg	ctg	ggc	cgt	atg	gca	tat	aaa	ggc	agc	240
Phe	Glu	Met	Gly	Tyr	Asp	Trp	Leu	Gly	Arg	Met	Ala	Tyr	Lys	Gly	Ser	
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ggt	gac	aac	ggt	gct	ttc	aaa	gct	cag	ggc	ggt	cag	ctg	acc	gct	aaa	288
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09/936677-091401

00933677 091404

Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys	85	90	95	
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Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly	100	105	110	
ggc atg gtt tgg cgc gct gac tcc aaa ggc aac tac gct tct acc ggc	384			
Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly	115	120	125	
gtt tcc cgt agc gaa cac gac act ggc gtt tcc cca gta ttt gct ggc	432			
Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly	130	135	140	
ggc gta gag tgg gct gtt act cgt gac atc gct acc cgt ctg gaa tac	480			
Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr	145	150	155	160
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Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro	165	170	175	
gat aac ggc atg ctg agc ctg ggc gtt tcc tac cgc ttc ggt cag gaa	576			
Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu	180	185	190	
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Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn	210	215	220	
aaa gct acc ctg aaa ccg gaa ggt cag cag gct ctg gat cag ctg tac	720			
Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr	225	230	235	240
act cag ctg agc aac atg gat ccg aaa gac ggt tcc gct gtt gtt ctg	768			
Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu	245	250	255	
ggc tac acc gac cgc atc ggt tcc gaa gct tac aac cag cag ctg tct	816			
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gag aaa cgt gct cag tcc gtt gtt gac tac ctg gtt gct aaa ggc atc	864			
Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile	275	280	285	
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Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp	305	310	315	320
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 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
 65 70 75 80
 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
 85 90 95
 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
 100 105 110
 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
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 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
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 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
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 225 230 235 240
 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
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F04T60" 2299E660

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Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
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Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
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Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
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 Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
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gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg tgc agc atc tgc agc 144
 Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Ser
 35 40 45

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 Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile Pro Asn Lys Lys
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ccg ggc aaa aaa acc acg acc aaa ccg acc aaa aaa ccg acc ttc aaa 240
 Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
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acc acc aaa aaa gat cat aaa ccg cag acc acc aaa ccg aaa gaa gtg 288
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<213> *Klebsiella pneumoniae*

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Asn	Asn	Pro	Thr	Cys	Trp	Ala	Ile	Cys	Lys	Arg	Ile	Pro	Asn	Lys	Lys
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093667-091401

SEQUENCE LISTING

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<120> USE OF BACTERIAL MEMBRANE FRACTIONS WITH
IMMUNOSTIMULANT ACTIVITY IN THE TREATMENT OF
CANCERS, METHODS FOR PREPARING THEM AND THE
PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

<130> D17974

<140> FR 99 03154

<141> 1999-03-15

<160> 4

<170> PatentIn Vers. 2.0

<210> 1

<211> 1035

<212> DNA

<213> Klebsiella pneumoniae

<220>

<221> exon

<222> (1)..(1032)

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<221> intron

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<222> (1)..(1032)

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Tyr	Gly	Asn	Gly	Phe	Gln	Asn	Asn	Asn	Gly	Pro	Thr	Arg	Asn	Asp	Gln	
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Thr	Gln	Leu	Ser	Asn	Met	Asp	Pro	Lys	Asp	Gly	Ser	Ala	Val	Val	Leu	
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ggc	tac	acc	gac	cgc	atc	ggt	tcc	gaa	gct	tac	aac	cag	cag	ctg	tct	816
Gly	Tyr	Thr	Asp	Arg	Ile	Gly	Ser	Glu	Ala	Tyr	Asn	Gln	Gln	Leu	Ser	
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gag	aaa	cgt	gct	cag	tcc	ggt	ggt	gac	tac	ctg	ggt	gct	aaa	ggc	atc	864

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<213> *Klebsiella pneumoniae*

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 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
 65 70 75 80
 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
 85 90 95
 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
 100 105 110
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 115 120 125
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